

ABSTRACT OF THE DISCLOSURE

Manufactured articles are rendered identifiable as to their source or genuineness by incorporating one or more populations of up- and/or down-converting metal oxide or mixed metal oxides during or post manufacture. The
5 nanoparticles exhibit emission of light upon irradiation by energy sources which allows comparison between the emission spectrum of an article with the emission expected of a genuine article or a material from a given manufacturing process, i.e. a batch of material.